

- If there are processes within the confinement ventilation system that use flammable gases or liquids, explosion control should be considered in Fire Department operating procedures and pfire plans.
- Instructions and restrictions for use of hose lines on the final filter stage also should be considered.
- Emergency response fire drills should be conducted to practice the recommended actions and to provide further guidance on keeping exterior doors closed while fighting large and/or major fires.

## 10.9 REFERENCES

1. First, M., personal communication, May 8, 1995.
2. Maybee, Walter W., compendium of Federal Fire Losses.
3. Reference to 1957 fire.
4. Reference to 1957 fire.
5. Patterson, David E., "The Rocky Flats Fire," Fire Journal, Vol 64, January 1970, pp. 6 and 7, Figures 1 and 2.
6. Reference not provided.
7. Bergman, et. al., Referring to Tests of Rolling Pre-filters.
8. DOE Tech Standard 1066.
9. NUREG-1718
10. National Fire Protection Association (NFPA) Standard 803, Fire Protection for Nuclear Power Plants.
11. USNRC NUREG-0050
12. EPRI NP-1881
13. USNRC/CR 3656
14. NUREG/CR-2377
15. NUREG-CR-2607
16. SAND 83-2664
17. SAND-81-7160
18. SAND 82-0431
19. Sawyer, et. al., "Cable Fire at Browns Ferry Nuclear Plant," Fire Journal, Vol. 70 #4, July 1976.
20. Pryor, Andres J., "Browns Ferry Revisited," Fire Journal, Vol. 71 #3, May 1977.
21. Rockwell International, "Incinerator Plenum Fire," Building 772, Rocky Flats, July 31, 1980 (internal report).
22. 10 CFR 70, "Modification and Revocation of Licenses," U.S. Nuclear Regulatory Commission.
23. DOE Order 420.1, *Facility Safety*.
24. NFPA Standard 90A, *Installation of Air Conditioning and Ventilation Systems*.
25. NFPA Handbook, Section 10, Chapters 6-14, 17<sup>th</sup> Edition.
26. Reference not provided.
27. Reference not provided.
28. Reference not provided.
29. Hasegawa, et. al., "Fire Tests to Evaluate the Potential Fire Threat and its Effect OD HEPA Filter Integrity in Cell Ventilation at ORNL, Building 7920, UCRL-114339, December 1992.
30. Gottuk, D.T. and R.J. Roby, "Effect of Combustion Conditions on Species Production," Section 2, Chapter 7, SFPE Handbook of Fire Protection Engineering, 2<sup>nd</sup> Edition, National Fire Protection Association, Quincy, MA 1995.
31. Alvares, N.J., "Assessment of Thermal Damage to Polymeric Materials by Hydrogen Deflagration in the Reactor Buildin," ACS Symposium Series 293 (the Three Mile Island Accident), 1986.
32. Fire Accident Analysis Code (FIRAC).
33. Reference not provided
34. Reference not provided
35. Underwriters Laboratory (UL-586), *High-Efficiency, Particulate, Air Filter Units*.
36. Underwriters Laboratory (UL-900), *Performance of Air Filter Units*.

37. Factory Mutual Research Corporation, "Glovebox Fire Safety: A Guide for Safe Practices in Design, Protection and Operation, FMRC serial # 17314, Figure 5-1, 1967.
38. Reference not provided.
39. Reference not provided.
40. Reference not provided.
41. Alvares, N. J., et. al., "Fire Protection Copuntermeasures for Containment Ventilation Systems," UCID 18781, Figure 21, August 1980, p. 71
42. Bergman
43. Reference not provided
44. Reference not provided.
45. Reference not provided.
46. National Fire Protection Association (NFPA) Standard 801.
47. National Fire Protection Association (NFPA) Standard 802.
48. National Fire Protection Association (NFPA) Standard 803, *Fire Protection for Nuclear Power Plants*.
49. DOE Orders 440.1A
50. NFPA 70, National Electrical Code.
51. NFPA Standard 91, *Blower and Exhaust Systems for Dust, Stock and Vapor Removal or Conveying*.
52. Gewain, R., J. Shanley Jr., P. DiNenno, J. Scheffey, B. Campbell, "Evaluation of Duct Opening Protection in Two-hour Fire Walls and Partitions," Fire Technology, National Fire Protection Association, Quincy, MA.
53. Gewain, R., B.Campbell, J. Shanley Jr., J. Scheffey, "Protection of Duct Openings in Two-hour Fire Resistant Walls and Partitions," ASHRAE Journal, American Society of Heating, Refrigerating and Air Conditioning Engineers, Inc., Atlanta.
54. HVAC Duct Construction Standards, Metal and Flexible.
55. SMACNA, *HVAC Duct Construction Standards*.
56. ASTM Standard E-84.
57. ASTM E-814, *Fire Tests of Through Penetration Fire Stops*.
58. NFPA 80, *Fire Doors and Windows*.
59. NFPA Standard 72.
60. NFPA 13, *Installation of Sprinkler Systems*.
61. NFPA 15, *Water Spray Fixed Systems for Fire Protection*.
62. ASME/IEEE (American Society of Mechanical Engineers/Institute of Electrical and Electronics Engineers), "A Design for a Water Curtain Air Filtration System for a Nuclear Power Plant," Conference presentation, 1987.
63. Reference not provided.
64. Lee, H.A., ARP 3020.
65. Reference not provided.
66. White, and Smith, *Inert Atmospheres 2*.